

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 02/14812

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02B6/12 G02F1/313 H04Q11/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02B G02F H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 285 810 B1 (FINCATO ANTONIO ET AL) 4 September 2001 (2001-09-04) column 1, paragraphs 12-19 column 11, line 1-7 column 12, line 17 -column 14, line 28 ---	1,2,5-10
X	WO 97 50008 A (CORNING INC) 31 December 1997 (1997-12-31) page 5, line 27-30 page 16, line 15 -page 17, line 30 page 19, line 27 -page 20, line 28 figure 8 --- -/--	1,2,5-10

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

20 May 2003

Date of mailing of the international search report

27/05/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Verdrager, V

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 25, 12 April 2001 (2001-04-12) -& JP 2001 222033 A (NIPPON TELEGR & TELEPH CORP), 17 August 2001 (2001-08-17) abstract paragraph '0021! figure 3	1,2,5-10
A	OFFREIN B J ET AL: "RESONANT COUPLER-BASED TUNABLE ADD-AFTER-DROP FILTER IN SILICON-OXYNITRIDE TECHNOLOGY FOR WDM NETWORKS" IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS, IEEE SERVICE CENTER, US, vol. 5, no. 5, September 1999 (1999-09), pages 1400-1406, XP000926845 ISSN: 1077-260X abstract page 1400, column 2, paragraph 1 -page 1402, column 1, paragraph 1 figures 2,3,5	1-10
A	WEIERSHAUSEN W ET AL: "PHOTONIC HIGHWAY SWITCHES BASED ON RING RESONATORS USED AS FREQUENCY-SELECTIVE COMPONENTS" APPLIED OPTICS, OPTICAL SOCIETY OF AMERICA, WASHINGTON, US, vol. 35, no. 30, 20 October 1996 (1996-10-20), pages 5967-5978, XP000630966 ISSN: 0003-6935 page 5967 -page 5967	1,2,9,10
A	EP 1 158 342 A (AGERE SYSTEMS OPTOELECTRONICS) 28 November 2001 (2001-11-28) paragraphs '0014!, '0025!-'0058! figures 5,6	1,2,10
A	WO 01 73994 A (ERICSSON TELEFON AB L M ;AUGUSTSSON TORSTEN (SE)) 4 October 2001 (2001-10-04) page 9, line 22 -page 10, line 5	1,10
A	KOHNKE G E ET AL: "Silica based Mach-Zehnder add-drop filter fabricated with UV induced gratings" ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 32, no. 17, 15 August 1996 (1996-08-15), pages 1579-1580, XP006005577 ISSN: 0013-5194 page 1579, column 1, paragraphs 2,3	1,10

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 02/14812

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6285810	B1	04-09-2001	IT MI961591 A1	26-01-1998
			IT 1290525 B1	04-12-1998
			DE 69716072 D1	07-11-2002
			EP 0909403 A1	21-04-1999
			JP 2002515134 T	21-05-2002
			WO 9804954 A1	05-02-1998
WO 9750008	A	31-12-1997	US 5703975 A	30-12-1997
			AU 713241 B2	25-11-1999
			AU 3383497 A	14-01-1998
			CA 2224056 A1	31-12-1997
			CN 1196800 A	21-10-1998
			EP 0846279 A1	10-06-1998
			JP 11511869 T	12-10-1999
			WO 9750008 A1	31-12-1997
			US 5943458 A	24-08-1999
JP 2001222033	A	17-08-2001	NONE	
EP 1158342	A	28-11-2001	US 6522795 B1	18-02-2003
			EP 1158342 A2	28-11-2001
			JP 2002014307 A	18-01-2002
WO 0173994	A	04-10-2001	SE 514903 C2	14-05-2001
			AU 4295301 A	08-10-2001
			EP 1266471 A1	18-12-2002
			SE 0001050 A	14-05-2001
			WO 0173994 A1	04-10-2001